## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Priority Application Serial No	09/653.124
Priority Filing Date	Aug. 31, 2000
Inventorship	Wang
Priority Examiner	Diep, N.
Priority Group Art Unit	2613
Attorney's Docket No.	
Title: Digital Video Signal Encoder and Encoding Method	

## INFORMATION DISCLOSURE STATEMENT

The citations listed are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. Copies of the cited references were cited or submitted with the priority application and are therefore not submitted herewith.

The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: 3/16/2004 By

Bradley K. DeSandro Reg. No. 34,521

1	
	-

Substitu	ite for form 1449A/PTC	)		Complete if Known		
1515		DIC	201 001105	Application Number		
			SCLOSURE	Filing Date		
STA	TEMENT B	YA	PPLICANT	First Named Inventor	Wang	
				Group Art Unit		
(use as many sheets as necessary)			necessary)	Examiner Name		
Sheet	1	of	4	Attorney Docket Number	MS1-801USC5	

			U.S. PATENT DOCU	JMENTS	
Examiner Initials	Cite No.1	U.S. Patent Documer  Kind Co  Number  (if know	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		RE 35,158	Sugiyama	02-20-1996	
		4,816,914	Ericsson	03-28-1989	
		4,862,264	Wells et al.	08-29-1989	
		5,050,161	Golestani	09-17-1991	
		5,088,107	Piasecki et al.	02-11-1992	
		5,144,425	Joseph	09-01-1992	
		5,313,454	Bustini et al.	05-17-1994	
		5,351,095	Kerdranvat	09-27-1994	
		5.414.469	Gonzales et al.	05-09-1995	
		5,434,848	Chimento, Jr. et al.	07-18-1995	
		5,453,801	Kim	09-26-1995	
		5,467,413	Barrett	11-14-1995	
		5.473.379	Horne	12-05-1995	
		5,490,252	Macera et al.	02-06-1996	
		5,502,492	Jung	03-26-1996	
		5,504,744	Adams et al.	04-02-1996	
		5,512,952	lwamura	04-30-1996	
		5,519,701	Colmant et al.	05-21-1996	
		5,533,021	Branstad et al.	07-02-1996	
		5,537,155	O'Connell et al.	07-16-1996	

				FORE	IGN PATENT DOCUMENT	rs		
Examiner	Examiner Cite		oreign Patent Do	cument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines,	
Initials*	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T6
		oxdot						
						1.		
					· · · · · · · · · · · · · · · · · · ·			
		1						
								Ш
			<del></del>					
			<u>-</u>					

Examiner	Date	
Signature	Considered	

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1	
_	_

Substitute fo	or form 1449A/F	то		Complete if Known		
WEO.			LOOUDE	Application Number		
INFOR	KMAHO	N DISC	LOSURE	Filing Date		
STAT	<b>EMENT</b>	<b>BY AP</b>	PLICANT	First Named Inventor	Wang	
				Group Art Unit		
(u:	(use as many sheets as necessary)			Examiner Name		
Sheet	2	of	4	Attorney Docket Number	MS1-801USC5	

				U.S. PATENT DOCU	JMENTS	
Examiner Initials	Cite No.1	U.S. Patent D	Ocument Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,537,408		Branstad et al.	07-16-1996	
		5,557,341		Weiss et al.	09-17-1996	
		5,566,175		Davis	10-15-1996	
		5,623,690		Palmer et al.	04-22-1997	
		5,663,810		Kirk	09-02-1997	
		5,699,484		Davis	12-16-1997	
		5,784,115		Bozdagi	07-21-1998	
		5.825.473		Kodaira	10-20-1998	
		5.835.163		Liou et al.	11-10-1998	
		5,859,667		Kondo et al.	01-12-1999	
		5,875,003		Kato et al.	02-23-1999	
		5.574.724		Bales et al.	11-12-1996	
		5,576,767		Lee et al	11-19-1996	
		5,583,980		Anderson	12-10-1996	
		5,600,775		King et al.	02-04-1997	
		5,621,660		Chaddha et al.	04-15-1997	
		5,623,312		Yan et al.	04-22-1997	
		5,623,313		Naveen	04-22-1997	
		5,892,535		Allen et al.	04-06-1999	
		5,978,544		Shimada et al.	11-02-1999	

			FORE	IGN PATENT DOCUMEN	rs		
	 F	oreign Patent Do	cument	Name of Patentag or	Date of Publication of	Pages, Columns, Lines,	T
Examiner Cite Initials No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Applicant of Cited Document Cited Document Passag	Where Relevant Passages or Relevant Figures Appear	nt T6
	$oxed{oxed}$			· · · · · · · · · · · · · · · · · · ·			
					<u> </u>		
-				<del> </del>	ļ	<del> </del>	<u> </u>
			<del></del>				╄
				<u> </u>	ļ ļ		╠
<b></b>					<u> </u>	<del> </del>	╬
<b></b>	 <del>                                     </del>		<del></del>				╨
<del></del>			-+	<del> </del>			┢┈

( - ·		
Examiner	Date	
Signature	Conside	red

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitut	e for form 1449A/	РТО		Co	Complete if Known		
13.156				Application Number			
INFC	RMATIO	N DISC	LOSURE	Filing Date			
STA	TEMENT	BY AP	PLICANT	First Named Inventor	Wang		
				Group Art Unit			
(use as many sheets as necessary)			cessary)	Examiner Name			
Sheet	3	of	4	Attorney Docket Number	MS1-801USC5		

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	U.S. Patent Number	Kind Code <sup>2</sup> (if known)	of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		6,115,420		Wang	09-05-2000		
					-		
						-	

				FORE	GN PATENT DOCUMEN	rs		
Examiner Initials*	Cite No.1	F	oreign Patent Do	cument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines,	T
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )		Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
				_			<del>-</del> -	
								T

Examiner	Date	
Signature	Considere	ed

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## EV369763385

	_
_	┢
	ı

Substitute for form 1449B/PTO				Complete if Known		
				Application Number		
INF	ORMATION	N D	ISCLOSURE	Filing Date		
STATEMENT BY APPLICANT				First Named Inventor	Wang	
			, <u></u> ,,,	Group Art Unit		
(use as many sheets as necessary)				Examiner Name		
Sheet	4	of	4	Attorney Docket Number	MS1-801USC5	

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
		"Video Coding for Low Bitrate Communication", ITU-T, Draft H.263: Line Transmission of Non-Telephone Signals, Int'l Telecommunication Union, (May 2, 1996).			
		Chaddha, N., et al., "An end to end software only scalable video delivery system", Proceedings Networks and Operating System Support for Digital Audio and Video, pp. 130-141, (Apr. 21, 1995).			
		Chaddha, N., et al., "Hierarchical Vector Quantization of Perceptually Weighted Block Transforms", IEEE, pp. 3-12, (1995).			
		Linde, Y., et al., "An Algorithm for Vector Quantizer Design", IEEE Transactions on Communications, vol. COM-28, No. 1, pp. 84-95, (Jan. 1980).			
		Moura, J.M., et al., "Retrieving Quality Video Across Hetergeneous NetworksVideo Over Wireless", IEEE Personal Communications, 44-54, (Feb. 1996).			
	<u> </u>	<u> </u>	Ш		
Examine Signature		Date Considered			

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.